



Overt and covert systems to locate, monitor and protect people and property worldwide

**GT8020P**

**CELLULAR**

**IN-VEHICLE TRACKER**

### What is the GT8020P?

The GT8020P is an in-vehicle tracking unit that allows users to track and monitor their mobile assets in GSM service areas. It uses a latest generation GPS system to acquire its exact location and then transmits this and other relevant information to the customer's monitoring centre or internet via the local GSM network.

The GT8020P is a highly cost-effective solution with a rich and well-targeted feature set that surpasses many more expensive devices.

### What does it allow you to do?

- keep continuous track of your mobile assets: trucks, cars, delivery vehicles, boats etc
- receive alerts when your asset leaves a pre-determined area or route, allowing you to take action before assets go missing, or when it arrives at points of interest
- keep track of journey stops and starts, and the distances travelled
- be notified of attempts to interfere with or cause damage to cargo
- monitor unauthorised use or non-compliance with speed limits
- remotely activate security measures within the vehicle e.g. sound the horn, immobilise the engine
- provide additional safety & security for your employees and assets

### Why buy a GT8020P for your tracking solution?

- compact and cost-effective unit
- convenience: position data sent via GPRS when available or by SMS
- unique features: built-in sensor ports and alert button – providing additional functionality for tracking & monitoring solutions, including the ability to activate security measures within the vehicle remotely
- flexibility: ability to satisfy different customer needs through a range of alarm functions and reports e.g. speeding, change of course
- quality: built to ISO9000 and all applicable quality standards
- cost-effective: one of the lowest cost satellite tracking systems available



GT8020P in-vehicle tracker

#### Package includes:

- wiring loom, panic button and LED
- GPS & GPRS antennas
- Vehicle cut relay
- 12 month warranty
- downloadable software

#### Key Features:

- SiRFIIIstar GPS chipset
- real-time GPS tracking & vehicle status monitoring
- GPRS and/or SMS transmission
- up to 29 Geo-fence areas in circular or rectangular shapes or as points
- 7 output, 4 input connections for attachment to vehicle
- selectable reporting methods: by time, distance or intelligent reporting option
- selectable event triggered reports e.g. speeding, change of course
- multi-purpose alert button including panic and anti-hijacking modes
- 12 or 24V supply
- odometer feature
- history report mode – activity data can be downloaded at end of day

#### Requirements for end-to-end solution:

- SIM card from local GSM Service Provider
- enabling, presentation & mapping software

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**In-vehicle tracking, monitoring and communications units with extended capabilities operating on the GSM platform**

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**Physical size**

dimensions 88mm (L) 76mm (W) 25mm (H)  
weight 100g

**Electrical Parameters**

DC Supply Voltage 12V or 24V  
DC Tolerance Voltage 9V – 36V  
current (GPRS Online) 60mA  
current (GPRS Transmission) 80mA  
current (Peak) 120mA

**GPRS**

antenna Connector gold Male SMA  
frequency Range (MHz) Quad band 900/1800/850/1900  
channel Spacing (Hz) 200  
GPRS Connectivity GPRS multi-slot class 8 GPRS mobile station class B  
SIM Card Interface 3V/5V

**Backup Battery**

battery type Ni-Mh 4.8V  
battery capacity 20 mA/H  
charge type built-in charge circuit

**Communication**

type GPRS/SMS/RS232/NMEA

**Environmental Parameters**

operating temperature -20°C to +55°C  
storage temperature -40°C to +85°C

**IO Connection**

optional temperature sensor (3 pin connector)  
alert button connector (2 pin connector)  
LED indicator connector (2 pin connector)  
GPS signal output (2 pin connector, NMEA 0183 v3 GPS data at 9600bps)  
power and IO connector (12 pin connector)  
PC setup port (4 pin connector, for device configuration with optional PC Setup cable)  
external reset switch



GT8020P in-vehicle tracker

**Inputs:**

- vehicle door (single electrical input, two logical inputs: one -ve trigger, one +ve trigger)
- vehicle ACC
- temperature sensor (optional)

**Outputs:**

- parking light (-300mA)
- door lock (-300mA)
- door unlock (-300mA)
- starter kill output (-300mA)
- siren/horn output (selectable by jumper to power either a relay to control horn, or optional siren directly)
- trunk release (-300mA)
- additional spare 300mA output
- GPS NMEA output

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